

Name: \_\_\_\_\_

## Compound Research Project

Background: The discovery and use of many different chemical compounds has made a large impact in our world from fighting battles, to fighting diseases. Their importance spans all aspects of our lives including what we eat, how we dress and care for ourselves, our transportation and even the way we communicate. There would be no cell phones without the understanding of compounds and chemistry!

Objective: to research a compound that has made a meaningful impact in the world.

Requirements: Research a compound that has a significant impact on our world. Create a digital "poster" on Word or Google Docs that contains all required information.

Required Information: for your selected compound...

- Identify the chemical formula for the compound
- Find a structural diagram of the compound
- List all the elements in this compound
- Identify how/where this compound is found or how it is prepared
- Describe useful applications of the compound
- Explain how this compound has made an impact on our world

Name: \_\_\_\_\_

Suggested Compounds (common name):

Ascorbic acid  
Aspirin  
Benzene  
Bleach  
Calcium carbonate  
Capsaicin (hot pepper)  
Cholesterol  
Caffeine  
Chlorophyll  
Diethyltoluamide (DEET)  
Glycerin  
Hydrogen peroxide  
Laughing gas  
Monosodium glutamate (MSG)  
Polyethylene  
Serotonin  
Sodium fluorophosphate  
Sucrose  
Vanillin (vanilla)

Assessment:

Chemical formula identified	/1
Structure diagram included	/1
Elements listed	/2
Description of where it is found/prepared	/2
Description of uses/applications	/2
Explanation of impact	/2

Total: /10